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FIRST DOCUMENTED OCCURRENCE OF BLACK-CHINNED HUMMINGBIRD IN TENNESSEE

Robert R. Sargent and Martha B. Sargent
7570 Mack Hicks Road, Trussville, AL 35173

On 5 November 1990 we received a telephone call from Lil Dubke of Ooltewah, Tennessee, informing us of a hummingbird feeding at a hummingbird feeder at the residence of Keith and Anne Miller in Chattanooga, Tennessee. Plans were made immediately to meet Lil and John Henderson at the site the next morning. Because of the November date, this hummingbird was likely to be some species other than Ruby-throated (*Archicochus colubris*). This report came at an excellent time because of our study of wintering hummingbirds being conducted under permits from the U.S. Fish and Wildlife Service and the Tennessee Wildlife Resources Agency.

Upon arriving at the Miller residence on 6 November 1990 we were greeted by Lil and John who informed us that the bird was feeding regularly at the hummingbird feeder. Field observations from 75 feet away with 8x42 Elite binoculars revealed a small, rather nondescript hummingbird with a dull green back, dull and dingy gray underparts, brownish gray crown, long slightly decurved bill and a short tail with some white at the tips. The tail was rapidly flicked downward as the bird hovered. Late fall Ruby-throated with nectar-pollen stains and extensive feather wear could exhibit all of these field marks. As we set up our trapping gear the bird approached, suspicious and scolding repeatedly. The scold notes were similar to Ruby-throated, but slower and not as harsh.

After several cautious and noisy approaches, the capture was accomplished. The hummingbird was placed in a small cloth holding bag and again it scolded and gave the soft begging call typical of most immature hummingbirds when captured. This was one identification that could best be made in-the-hand.

A quick visual examination in hand indicated our captured hummingbird was in the *Archilochus* genus; Ruby-throated and Black-chinned (*A. alexandri*) were the choices. Close examination of the wings showed the sweeping rounded curve of Primary #10, the outermost (see Fig. 1). Tennessee now officially had its first documented Black-chinned Hummingbird. This first state record bird was then banded with U.S. Fish and Wildlife Service band #8000T17005. This tiny aluminum alloy band, weighing only one 8400th of an ounce, will hopefully be encountered by us or some other bird bander in the future.

The following observations were then noted. The throat was gray with rows of dull bronze, gray-tipped feathers radiating outward from the base of the lower

FIG. 1. Sub-adult male Black-chinned Hummingbird banded 6 November 1990 in Chattanooga, Tennessee. Note the wide sweeping arc formed by the outermost primary. A Ruby-throated would have a pointed wing with the outermost primary nearly straight.

Photo by Martha B. Sargent

mandible to the upper breast, with one lone purple gorget feather shining. The breast, flanks, sides and underparts were dirty gray with much molt apparent. Puffy white femoral tufts, like tiny balls of cotton, protruded prominently above the folded wings. Undertail coverts were dull white with pale gray centers. The forehead and crown were dark gray-brown with a typical amount of plastered-down feathers caused by sticky nectar found in wildflowers in the fall, probably jewelweed (*Impatiens carensis*) and cardinal flower (*Lobelia cardinalis*). Much of the back and rump showed fresh plumage with new feathers that were a flat emerald green mingled with bronzy blue-green highlights. The central pair of rectrices were green on their basal two-thirds with a bronze-green sheen at the tip. Rectrix #2 had a black tip. Rectrix #3 had an area of white at the tip that was so small as to be unmeasurable. Rectrices #4 and #5 were broadly tipped with white and rectrix #5 was slightly emarginated and sharply pointed. Close examination of the upper mandible with a 16x jeweler's loupe revealed shallow incised striations over about 25 percent of the bill length. This, combined with the fresh body feathers and new inside flight feathers, indicated this Black-chinned Hummingbird was a hatching year sub-adult.

The following measurements were taken: wing - 42.10mm, tail - 25.10mm, exposed cumen - 18.80mm, weight - 3.63 grams (some fat accumulation was noted on the lower belly). The width of the inner web of Primary #10 (measured 5mm from the tip) was 3.45mm. The pointed and emarginated shape of Rectrix #5, the tiny area of white at the tip of Rectrix #3 and the single gorget feather indicated the sex to be male. These criteria used to age, sex and identify species were from the excellent paper by Baltosser (1987).

This sub-adult male Black-chinned Hummingbird was identified in the presence of Lil Dubke and John Henderson. We are grateful for their presence and their assistance in making this possible. We would like to acknowledge not only the paper by Bill Baltosser, but the many telephone conversations and other communications in which he so generously shared his expertise.

Our study of wintering hummingbirds continues not only in Tennessee, but in Alabama, Georgia, Mississippi and Florida. We encourage anyone who enjoys hummingbirds to leave a hummingbird feeder out year-round. Any hummingbird sighted between November 15th and March 1st is likely to be a Western or Mexican species. We would like to be notified promptly of any such sightings (telephone 205-681-2888).

LITERATURE CITED

Baltosser, W.H. 1987. Age, species and sex determination of four North American hummingbirds. *N. Am. Bird Bander* 12: 151-166.

Accepted 20 November 1994.

The Migrant, 64 (1): 4, 1993.

PRAIRIE FALCON IN SHELBY COUNTY

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On Sunday, 13 September 1992 at approximately 10:30 CDT, we observed a Prairie Falcon (*Falco mexicanus*) at the T.E. Maxson Sewage Treatment Plant in southwest Shelby County. The single bird was flying in a south-southeasterly direction, at telephone pole top height (about 9m [30 feet] above the ground), approximately 30m (30 yards) in front of our car. Observations were through Swift Audubon 8.5x44 and Traq 8x21 binoculars in good light for approximately five minutes. Other observers of the bird were Dr. William "Buzz" Bean, Kate Gooch, Dr. Robert & Ginger Ilardi, Theresa Irion and Susan McWhirter.

The bird had a typical falcon shape, long pointed wings and a long tail, with black axillaries being the salient field mark. Other field marks were the overall light, sandy appearance, narrow black streaks below the eyes and a pale throat. The breast was streaked. The primary and secondary feathers were barred. Jeanne observed a light line above the eye and barring on the tail. The Prairie Falcon flew in a straight line, gaining altitude, until it was out of sight.

Weather conditions were excellent with good light and little to no wind. A major cold front in the previous 48 hours had brought several unusual species to the Memphis area.

Ten minutes previous to the sighting we had observed two Peregrine Falcons (*Falco peregrinus*) stoop on a mixed flock of shorebirds and had stopped to check two American Kestrels (*Falco sparverius*) on the power lines when the Prairie Falcon flew in front of us. All observers noted the large size, light coloration, and dark axillars. Bob and Ginger Ilardi were familiar with Prairie Falcons from trips out west. This bird was much paler than the Peregrine Falcons and had only a fine moustache mark below the eye instead of the hooded appearance of the Peregrine. It was much larger than the Kestrels.

This is the third Shelby County and fifth state record of Prairie Falcon (Robinson, J.C. 1990, *An Annotated Checklist of the Birds of Tennessee*, University of Tennessee Press, page 77).

Accepted 9 November 1992.

The Migrant, 64 (1): 5-13, 1993.

THE 1992 CHRISTMAS BIRD COUNT

Susan N. McWhirter

Twenty-two individual counts were conducted across Tennessee for the 1992-1993 Christmas Count season with a total of 144 species seen. As in the past few years, mild autumn-like temperatures continued into winter and resulted in numerous sightings of lingering migrants, with few northern irruptives seen. These lingering migrants included Great Egret, Green Heron, Sandhill Crane, Greater Yellowlegs, Least Sandpiper, Dunlin, swift and Empidonax sp., Great Crested Flycatcher (1st CBC record), House and Sedge Wrens, Blue-gray Gnatcatcher, Gray Catbird, Indigo Bunting (2nd CBC record), and Lark, Le Conte's, and Lincoln's Sparrows. Other unusual species included the Oldsquaw, Golden Eagle, Iceland Gull (1st CBC record and possibly only the 2nd state record), and Great Black-backed Gull (3rd CBC record).

CW indicates species seen the count week (three days prior to, or after, day of actual count); m.ob. indicates many observers; sp. indicates species.

INFORMATION ON THE COUNTS

MEMPHIS - 20 Dec.; 0400-1700; cloudy with light rain; wind N 5-15 mph; temp. 40-46F; 36 observers in 7-9 parties; 95 party hours (75 on foot, 20 by car); 163 party miles (55 on foot, 108 by car); 90 species; 16,147 individuals. The Oldsquaw has been present since November; details submitted for Lark Sparrow (SM). Bob Browne, David Blaylock, Carolyn Bullock, Fred Carney, Ben B. Coffey, Lula Coffey, Bob Cooper, Helen Dinkelspiel, Harold Elphingstone, Bob Endres, Jim Ferguson, Bob Ford, Bill Fowler, Murray Gardler, Kate Gooch, Van Harris, Ron Hoff, Bob Ilardi, Ginger Ilardi, Theresa Irion, David Kessler, Sarah Kessler, Jo Levy, Selma Lewis, Mac McWhirter, Susan McWhirter, Dollyann Myers, George Payne, Jeanne Payne, Rob Peebles, Gaynell Perry, Ted Perry, Virginia Reynolds, Richard Taylor, Martha Waldron, Barbara Wilson.

REELFOOT LAKE - 22 Dec.; 0630-1730; cloudy with light rain in PM; wind N, 0-2 mph; temp. 38-45F, 10 observers in 4-5 parties; 40 party hours (24 on foot,13 by car, 3 by boat); 154 party miles (15 on foot, 132 by car, 7 by boat); 96 species; 60,190 individuals. Donald Doster, Bob Ford, Chris Greene, Mark Greene, David Haggard, John Hopper, Ken Leggett, David Pitts, Marion Pitts, Eddie Wilbanks (compiler - 4047 Hwy. 104 W., Dyersburg 38024).

JACKSON - 2 Jan.; 0645-1700; clear to partly cloudy; wind SW 5-10 mph; temp. 32-58F; 9 observers in 5 parties; 40.25 party hours (17.5 on foot, 22.75 by car); 273 party miles (16 on foot, 257 by car); 65 species; 50,185 individuals. Linda Barber, Neal Barber, Bob Ford, Mark Greene (compiler - 194 Mt. Orange Rd., Trenton 38382), Bethany Greene, Bill Reinke, Jackie Utley, Eddie Wilbanks, Lynn Williams.

SAVANNAH - 2 Jan.; 0530-1730; clear in AM, cloudy in PM; wind S, 0-10 mph; temp. 30-57F; 11 observers in 7 parties; 71.75 party hours (30 on foot, 32.25 by car, 9.5 by boat), plus 2 owling; 432.5 party miles (25.5 on foot, 377 by car, 30 by boat) plus 6 owling; 99 species; 21,749 individuals. Details provided for Merlin (DS), Great Black-backed Gull (LN, LB, FM), House Wren (JW), Sedge Wrens (JW, DS), Lincoln's Sparrow (DS), and Western Meadowlark (NP). Leon Bates, Michael Beuerlein, Jeff

THE 1992 CHRISTMAS BIRD COUNT

Species	Memp	Reel	Jack	Sav	Buff	Clark	Colu	Nash	Hick-Pr	Murf	Wils	High	McMinn	Nick	Cooke	Chat	Knox	GSMNP	Gree	Eliz	Bris	Roan
Common Loon	*	1	*	3	1	*	*	*	32	*	1	26	*	4	*	38	1	*	*	3	4	*
Pied-billed Grebe	1	20	*	46	2	1	3	2	34	6	4	14	7	101	4	79	16	*	5	9	11	*
Horned Grebe	*	2	*	28	*	*	*	*	18	1	*	50	*	15	CW	76	1	*	*	2	*	*
Double-crested Cormorant	*	3	*	2	*	*	*	*	1	*	*	2	1	12	*	4	*	*	2	*	*	*
Great Blue Heron	26	35	10	104	10	25	60	11	39	14	10	13	9	99	11	136	126	7	21	9	15	*
Great Egret	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	3	*	*	*	*	*
Green Heron	*	*	*	*	*	*	*	*	*	*	*	*	*	*	CW	*	*	*	*	*	*	*
Blk-crowned Night-Heron	*	*	*	*	*	*	*	*	23	*	*	*	*	*	*	*	*	2	*	*	*	*
Snow Goose	*	CW	*	*	*	*	2bl,1s	*	*	CW	*	*	*	*	*	*	CW	*	2	*	*	*
Gr. White-fronted Goose	*	CW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Canada Goose	106	12,250	5	*	126	7	610	314	434	250	105	94	229	452	145	555	397	*	219	108	418	*
Wood Duck	11	5	*	11	*	2	4	*	3	2	*	*	*	5	4	32	9	5	8	*	*	*
Green-winged Teal	14	12	*	*	1	*	49	*	*	*	*	1	*	*	CW	20	*	*	33	*	*	*
American Black Duck	3	141	*	*	1	*	10	9	1	*	*	45	*	7	*	28	1	*	94	*	10	7
Mallard	307	25,100	29	25	22	98	251	82	286	4	15	70	111	199	25	623	69	102	119	35	477	1
Northern Pintail	*	8	*	1	*	*	5	*	2	CW	*	1	1	*	*	5	1	*	*	2	2	*
Blue-winged Teal	*	4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Northern Shoveler	6	61	*	*	*	*	36	*	27	2	*	*	*	1	CW	*	*	*	*	*	2	*
Gadwall	14	2401	*	8	*	*	233	70	74	*	*	7	8	607	*	133	2	*	11	1	31	*
American Wigeon	*	75	*	*	*	*	132	35	5	*	*	3	4	5	*	34	*	*	*	*	1	*
Canvasback	*	4	*	1	*	1	37	41	*	*	*	*	*	37	*	*	*	*	*	*	*	*
Redhead	*	4	*	*	*	*	*	*	1	*	*	1	4	*	*	*	*	*	*	*	*	*
Ring-necked Duck	83	3104	*	29	*	*	215	11	*	CW	*	8	*	13	8	*	8	*	*	22	77	*
Greater Scaup	*	*	*	*	*	*	*	*	6	2	*	*	*	85	*	13	*	*	*	*	*	*
Lesser Scaup	12	1111	1	10	*	*	28	21	35	*	*	3	*	34	4	4	*	*	*	4	93	*
scaup sp.	*	*	*	*	*	*	*	*	*	*	*	*	22	*	*	*	*	*	*	*	*	*
Oldsquaw	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Common Goldeneye	*	8	*	4	*	*	4	*	5	6	*	7	*	14	1	34	*	*	*	*	1	*
Bufflehead	2	48	*	7	*	*	15	95	8	*	*	22	8	71	4	26	5	*	*	145	105	*
Hooded Merganser	3	3	*	6	*	*	150	3	6	8	4	37	6	28	27	37	37	*	*	*	83	2
Common Merganser	*	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*
Red-breasted Merganser	*	1	*	4	*	*	*	*	2	*	*	2	*	8	*	1	*	*	*	1	2	*
Ruddy Duck	3	4200	*	*	*	*	27	3	*	*	*	*	4	137	*	*	*	*	*	*	*	*
Black Vulture	CW	*	18	7	45	100	50	117	6	50	95	6	1	31	*	CW	*	4	14	*	2	*
Turkey Vulture	2	2	12	7	132	46	9	67	*	7	5	11	*	*	1	48	*	147	50	*	21	*
Bald Eagle, adult	*	24	*	14	*	*	*	*	*	*	*	2	*	7	*	2	*	*	*	*	*	*
Bald Eagle, immature	*	23	*	1	*	*	*	*	*	*	*	*	*	3	*	*	*	*	*	*	*	*
Northern Harrier	9	3	6	25	15	1	5	1	*	2	*	1	*	1	*	*	*	*	6	*	1	*
Sharp-shinned Hawk	2	*	*	2	4	5	*	4	4	5	*	3	*	7	2	4	4	1	*	1	4	1
Cooper's Hawk	1	2	*	3	3	2	1	2	1	1	2	*	*	2	3	3	3	2	4	2	6	*

Species	Memp	Reel	Jack	Sav	Buff	Clark	Colu	Nash	Hick-Pr	Murf	Wils	High	McMinn	Nick	Cooke	Chat	Knox	GSMNP	Gree	Eliz	Bris	Roan
accipiter sp.	*	1	*	*	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1
Red-shouldered Hawk	1	6	6	13	2	10	*	*	2	*	*	*	*	11	CW	18	6	2	*	*	2	*
Red-tailed Hawk	55	25	71	33	39	31	44	34	19	40	16	17	8	33	12	36	19	8	11	12	26	7
Rough-legged Hawk	*	*	1	*	*	*	1	1	*	1	*	*	*	*	*	*	*	*	*	*	*	*
Golden Eagle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	*
American Kestrel	29	49	43	13	46	26	48	35	31	80	26	37	42	18	57	22	15	3	34	21	33	1
Merlin	*	*	*	1	*	*	*	*	1	*	*	*	*	*	*	*	*	*	1	*	*	*
Peregrine Falcon	*	*	*	*	*	*	*	*	CW	*	*	*	*	*	*	*	*	*	*	*	*	*
Ruffed Grouse	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	3	2
Wild Turkey	11	*	*	*	*	3	1	*	*	*	*	*	5	*	*	*	*	*	*	*	2	1
Northern Bobwhite	CW	3	20	2	22	3	26	5	*	24	38	12	29	*	1	11	*	20	*	*	*	*
Virginia Rail	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Sora	*	*	*	*	*	*	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
American Coot	7	258	*	42	*	*	26	*	519	CW	80	9	559	2062	*	154	52	*	3	1	29	*
Sandhill Crane	*	*	*	*	1	*	*	*	*	*	*	*	*	*	1	*	3	*	*	*	*	*
Killdeer	168	29	25	123	116	107	70	23	139	21	7	63	9	88	139	190	133	11	41	1	53	1
Greater Yellowlegs	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Least Sandpiper	6	*	*	*	*	*	*	*	*	*	*	18	*	*	*	1	*	*	*	*	*	*
Dunlin	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*
Common Snipe	10	1	4	8	6	*	19	*	6	*	*	6	*	*	12	118	1	*	*	3	*	*
American Woodcock	3	*	*	*	*	*	1	3	3	*	*	*	*	10	*	3	*	*	*	*	*	*
Bonaparte's Gull	1	34	*	19	*	*	*	*	264	*	*	142	*	3	6	312	30	*	*	*	3	*
Ring-billed Gull	64	1155	*	584	2	35	30	296	1025	502	6	326	*	755	20	3000	461	5	*	1	608	*
Herring Gull	*	76	*	6	*	*	17	*	1	2	*	1	*	7	*	6	*	*	*	1	*	*
Iceland Gull	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*
Great Black-backed Gull	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
gull sp.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*
Rock Dove	360	7	249	24	39	139	252	142	173	300	49	34	50	33	66	142	626	*	327	253	390	40
Mourning Dove	670	153	240	337	192	261	72	216	132	240	81	170	168	205	615	830	491	106	402	389	585	51
Barn Owl	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	*	*	*
Eastern Screech-Owl	*	*	*	3	3	*	10	*	5	*	*	2	*	14	3	6	3	10	1	3	10	4
Great Horned Owl	1	2	1	2	2	1	8	2	2	1	*	2	1	5	5	3	*	2	*	2	14	*
Barred Owl	2	5	2	7	2	2	5	2	3	*	*	2	*	1	*	5	*	1	*	*	*	*
Short-eared Owl	*	CW	*	4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
swift sp.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*
Belted Kingfisher	14	8	6	32	15	16	21	19	17	15	7	6	3	37	13	51	34	7	17	12	13	3
Red-headed Woodpecker	4	52	7	32	11	18	6	5	*	2	*	2	1	3	CW	8	*	*	*	*	*	*
Red-bellied Woodpecker	91	80	26	102	68	86	39	73	9	10	12	23	10	45	55	49	48	4	23	10	27	1
Yellow-bellied Sapsucker	14	10	2	26	15	13	9	22	7	6	5	2	*	15	2	11	8	8	1	1	1	1
Downy Woodpecker	26	47	14	48	36	61	52	75	25	15	10	7	2	29	35	53	39	9	21	19	20	8

Species	Memp	Reel	Jack	Sav	Buff	Clark	Colu	Nash	Hick-Pr	Murf	Wils	High	McMinn	Nick	Cooke	Chat	Knox	GSMNP	Gree	Eliz	Bris	Roan
Hairy Woodpecker	6	2	3	14	11	20	10	16	1	4	1	2	1	9	5	13	9	3	*	3	6	5
Northern Flicker	91	63	25	89	51	56	43	39	33	10	9	19	32	46	18	61	58	4	6	17	23	2
Pileated Woodpecker	5	27	2	23	17	14	16	23	5	*	*	2	4	16	6	19	8	15	8	15	12	4
Empidonax sp.	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eastern Phoebe	2	2	2	12	21	3	5	3	1	CW	3	2	3	20	7	18	9	11	4	8	12	4
Great Crested Flycatcher	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*
Horned Lark	166	72	25	198	76	*	300	2	*	*	*	35	*	33	*	*	*	6	*	*	26	*
Blue Jay	216	67	223	292	160	212	41	124	108	85	98	123	111	170	268	291	267	24	79	74	90	33
American Crow	154	1186	620	188	160	255	59	2499	207	300	78	2061	511	889	350	596	581	181	303	534	1132	174
Fish Crow	CW	CW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Common Raven	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	*	*	*	33
Blk-capped Chickadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	226	*	*	*	*
Carolina Chickadee	118	184	45	308	191	164	154	276	88	47	52	20	14	169	147	297	329	**	117	140	94	53
Tufted Titmouse	57	60	24	175	208	132	148	161	31	29	34	36	18	126	158	153	116	119	53	74	94	25
Red-breasted Nuthatch	*	1	*	2	*	1	*	*	*	*	*	1	*	*	*	1	*	2	*	*	1	*
White-breasted Nuthatch	1	25	2	40	59	33	17	36	2	1	5	11	3	27	55	45	22	30	21	18	21	9
Brown-headed Nuthatch	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	24	*	*	*	*	*	*
Brown Creeper	8	2	3	20	4	3	4	13	8	2	5	4	1	7	1	16	4	8	2	4	2	2
Carolina Wren	115	100	28	174	69	83	67	112	74	20	20	9	13	93	75	196	183	58	43	78	79	25
House Wren	3	*	*	1	*	1	1	*	2	*	1	*	*	1	*	1	*	1	*	1	*	*
Winter Wren	9	13	9	16	6	2	3	6	2	2	*	5	*	13	8	4	3	6	1	1	2	1
Sedge Wren	*	*	*	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Golden-crowned Kinglet	22	18	9	89	88	19	8	47	34	2	5	46	2	105	29	142	126	115	26	75	47	31
Ruby-crowned Kinglet	35	21	9	86	13	3	8	18	10	*	5	9	*	77	4	113	28	36	10	3	2	1
Blue-gray Gnatcatcher	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eastern Bluebird	40	40	121	324	300	209	101	112	73	80	104	97	90	194	228	281	189	28	88	81	72	19
Hermit Thrush	6	5	9	32	29	4	19	8	2	*	*	1	*	26	3	13	4	5	*	4	4	*
American Robin	328	105	36	36	58	33	13	168	96	12	8	21	1	48	60	77	121	1	3	36	1	2
Gray Catbird	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Northern Mockingbird	113	26	93	70	92	106	55	112	87	70	50	51	35	44	67	110	150	8	52	40	88	5
Brown Thrasher	6	6	14	14	7	2	1	2	2	CW	3	7	2	13	11	33	8	*	2	*	1	*
American Pipit	*	*	*	22	72	*	2	*	1	*	*	2	*	18	*	1	1	*	*	*	12	*
Cedar Waxwing	22	7	*	61	3	8	33	32	*	16	*	*	15	13	15	26	*	17	*	1	7	*
Loggerhead Shrike	14	19	7	5	45	11	8	14	6	5	4	13	3	3	5	3	9	1	3	*	8	*
European Starling	5974	2336	1119	1055	2742	1271	679	2522	3307	500	899	983	989	718	2690	1620	2524	342	5846	1840	3379	281

Species	Memp	Reel	Jack	Sav	Buff	Clark	Colu	Nash	Hick-Pr	Murf	Wils	High	McMinn	Nick	Cooke	Chat	Knox	GSMNP	Gree	Eliz	Bris	Roan
Orange-crowned Warbler	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Yellow-rumped Warbler	99	261	6	118	4	5	9	5	14	1	8	1	3	19	3	93	38	1	3	28	17	*
Pine Warbler	CW	*	*	11	1	*	*	*	2	*	*	3	*	7	1	10	4	2	*	*	*	*
Palm Warbler	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	1	*	*	*	*
Northern Cardinal	433	250	186	466	285	416	298	359	262	110	128	101	88	153	313	385	318	120	130	207	216	41
Indigo Bunting	*	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Rufous-sided Towhee	26	6	12	84	61	59	43	42	30	9	5	34	14	78	100	112	47	7	3	1	18	3
American Tree Sparrow	1	8	2	*	*	*	*	*	*	*	3	*	*	*	*	*	*	*	*	*	*	*
Chipping Sparrow	8	3	34	26	13	*	*	*	*	*	18	11	*	3	1	7	12	1	1	*	6	*
Field Sparrow	174	25	205	598	186	30	115	41	74	20	36	38	38	117	112	140	200	91	9	38	89	22
Vesper Sparrow	*	*	*	2	*	*	*	*	*	*	*	1	*	*	*	*	*	*	2	*	*	*
Lark Sparrow	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Savannah Sparrow	38	3	*	291	23	18	18	1	1	CW	*	6	*	18	CW	71	16	2	*	4	*	*
LeConte's Sparrow	*	*	*	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Fox Sparrow	9	12	12	34	4	6	8	4	4	2	*	*	1	10	5	11	2	*	*	1	2	*
Song Sparrow	137	132	84	765	221	44	69	87	61	10	20	13	19	250	221	304	378	119	61	207	277	91
Lincoln's Sparrow	2	*	*	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Swamp Sparrow	130	54	53	408	23	1	37	6	16	1	*	1	21	57	36	50	34	9	3	6	10	*
White-throated Sparrow	429	277	193	698	323	162	138	230	110	30	28	46	21	278	198	429	375	225	110	231	226	33
White-crowned Sparrow	43	12	36	3	15	22	30	16	67	13	*	1	*	*	11	6	6	*	19	*	39	*
Dark-eyed Junco	278	58	144	491	725	245	36	120	174	45	29	4	26	74	47	137	81	116	2	161	93	172
Lapland Longspur	*	*	*	13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Red-winged Blackbird	563	1191	2773	8928	1156	100	239	18	312	150	*	*	*	306	48	218	510	*	*	*	2	*
Eastern Meadowlark	285	37	91	401	347	106	101	38	74	30	101	135	44	*	131	156	59	20	93	16	64	*
Western Meadowlark	CW	*	*	CW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Rusty Blackbird	200	CW	*	120	15	*	3	*	16	CW	*	*	*	108	12	9	9	1	*	*	*	*
Brewer's Blackbird	CW	*	*	158	*	*	*	*	*	CW	*	*	*	*	*	*	*	*	*	*	*	*
Common Grackle	2983	2060	42450	1105	93	177	10	214	509	125	70	49	*	6356	355	693	31	*	31	1	*	1
Brown-headed Cowbird	293	66	507	448	33	127	96	113	203	125	3	2	*	5	357	93	*	*	*	3	*	*
blackbird sp.	*	*	*	382	300	325	*	*	*	*	*	*	*	*	6650	*	*	*	*	*	*	*
Purple Finch	2	2	*	*	9	18	2	1	*	*	*	2	*	4	11	3	2	*	20	*	*	4
House Finch	156	8	52	714	119	424	135	413	172	300	124	5	58	92	470	304	185	26	255	107	246	17
Red Crossbill	*	*	*	*	*	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1
Pine Siskin	*	2	*	*	*	3	*	*	*	*	*	*	*	*	*	1	*	*	*	CW	*	*
American Goldfinch	63	93	45	210	140	188	92	192	88	50	62	15	27	191	101	244	312	86	64	77	72	31
House Sparrow	135	572	78	99	138	96	47	8	32	*	23	104	37	74	27	148	34	31	29	71	88	55
Total Species	90	96	65	99	78	72	93	78	88	64	55	88	60	91	72	96	77	68	64	71	80	47

Garner, Suzanne Kimbrough, Frank Moses, Larry Neil, Jane Newell, Ned Piper, Floyd Sherrod, Damien Simbeck (compiler - Rt. 1, Box 264, Killen, AL 35645), Jeff Wilson.

BUFFALO RIVER - 26 Dec.; 0630-1700; partly cloudy; wind NW 0-10 mph; temp. 25-43F; 16 observers in 7 parties; 65.5 party hours (28 on foot, 37.5 by car) plus 4 owling; 402.5 party miles (24.5 on foot, 378 by car) plus 18 owling; 78 species; 9,724 individuals. Lisa Allen, Michael Beuerlein, Jeff Garner, David Ihrie, Chester McConnell, Dorothy McConnell, Royce Neidert, Jane Newell, Ned Piper, Johnny Schisler, Donnette Sellers, Floyd Sherrod, Don Simbeck (compiler - 424 Riddle Lane, Loretto 38469), Jody Springer, Laura Taprantzis, Morris Williams.

CLARKSVILLE - 19 Dec.; 0645-1600; cloudy; no wind; temp. 40-50F; 23 observers in 5 parties, plus 11 at feeders; 46.8 party hours (23 on foot, 23.8 by car); 332.5 party miles (19.5 on foot, 313 by car); 72 species; 28,423 individuals. Joe Allen, Amy Atkins, Suva Bastin, Marilyn Farley, Mike D. Filson, Debbie Gillis, Steve Hamilton, Danny Harrison, Ken Haskins, Bill Hudson, Bonnie J. Kruck, Leonard G. Kruck (compiler - 226 Kirby Dr., Clarksville 37042), William G. Lyle, Gloria Milliken, William Milliken, Bob Moser, Salie Noel, Barry Podell, Louise Podell, David H. Snyder, Jared A. Snyder, Mary Ann Stephens, Stanley York, Jr. At feeders: Jay Brown, Angele Crouch, Phil Crouch, Annie Heilman, Nancy Hughes, Thurston Lee, Edna Lyle, Halene Minnihan, Evelyn Mixon, James Mixon, Ellen Walker, Barbara Wilbur, Caudell Wooten.

COLUMBIA - 26 Dec.; 0600-1800; clear in AM, partly cloudy in PM; wind SE, 0-5 mph; temp. 22-40F; 11 observers in 5 parties, plus 3 at feeders; 37 party hours (19 on foot, 18 by car) plus 2.5 owling; 297 party miles (16 on foot, 281 by car) plus 2 owling; 93 species; 5,621 individuals. Details submitted for Great Egret (CS). Steven Brinkley, Gilbert Foster, Jerry Hutchens, William Jernigan, Roland Kays, Allyn Lay, Anne Lochridge, Bedford Lochridge, George Mayfield (compiler - 999 Sunnyside Dr., Columbia 38401), Chris Sloan, Judy Trammell. At feeders: Cleo Mayfield, William Fuqua, Mary Liles.

NASHVILLE - 19 Dec., 0600-1645; cloudy; wind S, 10-15 mph, temp. 40-57F; 39 observers in 7 parties, plus 10 at feeders; 54 party hours (21.5 on foot, 32.5 by car) plus 5.25 owling; 305 party miles (15 on foot, 290 by car) plus 23.5 owling; 78 species; 10,093 individuals. Details submitted for Blue-gray Gnatcatcher (JM, CS, HC); second winter record for Nashville. Sandra Bivens, Hazel Cassel, Theresa Clark, Elizabeth Collins, Richard Conners, Kinney Cosner, Jerry Drewry, Ray Fleischer, Scott Fleischer, Edwin Gleaves, Barbara Harris, Bob Hatcher, Noah Kays, Roland Kays, Edward Landers, Joni Langevoort, Scott Lovell, Joseph McLaughlin, Gail Miller, Sharon Monroe, Richard Newton, Elizabeth O'Conner, Manomahan Pattanayek, Magnus Persmark, Kim Phillips, Jeanece Seals, Jan Shaw, Sheila Shay, Chris Sloan, Sherlene Spicer, Joe Stone, Ann Tarbell (compiler - 6033 Sherwood Dr., Nashville 37215), Sabin Thompson, Edwin Toone, Julia Toone, Robert Van Kirk, Shannon Van Kirk, Oma Vaughn, Kenneth Walkup. At feeders: Jane Botteri, Jeanne Cobb, Lucy Finch, Louise Jackson, Mary Jackson, Laura Knox, Jane Maynard, Dennis Monroe, Virginia Price, Clarence Suiter.

HICKORY-PRIEST - 1 Jan.; 0500-1700; cloudy; wind SE, 7-14 mph; temp. 28-32F; 20 observers in 6 parties; 51 party hours (24 on foot, 37 by car) plus 4 owling; 406.5

party miles (19.5 on foot; 387 by car) plus 13 owling; 88 species; 9,838 individuals. Details submitted for Greater Scaup (CS, GF, TC). Linda Anderson, Robert Brayden, Theresa Clark, Richard Conners, Camille Crenshaw, Jerry Drewry (compiler - 1425 Cowan Ct., Nashville 37207), Ray Fleischer, Gilbert Foster, Ed Landers, Joe McLaughlin, Richard Newton, Magnus Persmark, Chris Sloan, Joe Stone, Ann Tarbell, Sabin Thompson, Bates Toone, Ed Toone, Oma Vaughn, Betty Worden.

MURFREESBORO - 2 Jan.; partly cloudy; temp. 30-50F; 17 observers in 11 parties; 33.5 party hours; 434.5 party miles (6.5 on foot, 428 by car); 64 species; 3,895 individuals. Bertha Chrietzberg, Jim Chrietzberg, Bill Erwin, Lou Erwin, Anne Hettish, Bob Hettish, Richard Hunter, Wilma Hunter (compiler - Rt. 6, Box 58, Murfreesboro 37130), Pat Martin, D. McCarroll, L. McFarland, Ruth Odom, Fran Shepard, Tom Shepard, Ferrell Wilson, Jean Wilson, Terry Witt.

WILSON COUNTY - 2 Jan.; 0700-1300; cloudy; wind 5-10 mph; temp. 30-70F; 11 observers in 5 parties plus 5 at feeders; 25.5 party hours; 254 party miles (4 on foot, 250 by car); 55 species; 2,620 individuals. Kay Norris (compiler - 1609 Ponderosa Trail, Lebanon 37087).

HIGHLAND RIM - 1,2 Jan.; 1710 (1 Jan.) -1640 (2 Jan.); cloudy; wind NE 8 mph in AM, SE 10 mph in PM; temp. 32-56F; 17 observers in 9 parties plus 1 at feeder; 41 party hours (9 on foot, 27 by car, 1 at feeder, 4 at duck blind) plus 2 owling; 383 party miles (14 on foot, 368 by car, 1 by boat to duck blind), plus 2 owling; 88 species; 5,456 individuals. John Bruner, Lois Bruner, Tom Burleson, Tom Burleson, Jr., Don Davidson (compiler-1703 2nd Ave., Manchester 37355), Jerry Ingles, Ruth Luckado, Nickie Medley, Philip Medley, Chloe Peebles, Howell Peebles, Erma Rogers, Quincy Styke, Jean Sullivan, Stewart White, Grady York, Willa York.

WARREN COUNTY - 2 Jan.; partly cloudy to cloudy; wind SE 5 mph; temp. 29-60F; 6 observers in 3 parties; 22 party hours (11.25 on foot, 10.75 by car); 204.5 party miles (5.5 on foot, 199 by car); 60 species; 3,560 individuals. Ruth Ann Henry, Crystal Littleton, Clyde Malone, James Pearsall, Donna Ware, Mickey Ware.

NICKAJACK LAKE - 2 Jan.; 61.25 party hours (36.5 on foot, 24.75 by car) plus 8.25 owling ; 337 party miles (20 on foot, 317 by car) plus 68.5 owling; 91 species; 16,565 individuals. Koyle Blevins, Katherine Boyles, John Henderson, Daniel Jacobson, Kathy Jacobson, Lenny Kafka, Starr Klein, Johnny Parks (compiler - 1610 East 17th St., Chattanooga 37404-5003), Gail Perry, Peter Robinson, Robin Rudd, Carl Swafford, Bruce Wilkey, Mary Anne Wilkey, Ray Zimmerman.

COOKEVILLE - 21 Dec.; 0445-1645; cloudy with rain in PM; temp. 28-50F; wind variable 5 mph; 11 observers in 6 parties plus 10 at feeders; 52.5 party hours (23.5 on foot, 29 by car) plus 3.5 owling and 41.75 at feeders; 358 party miles (9 on foot, 349 by car) plus 27 owling; 72 species; 14,702 individuals. Pine Warbler is new to the count; details submitted for Sandhill Crane (DC, TR), Pine Warbler (BS, JF), and Chipping Sparrow (BS). Daniel Combs, Charles Crumpler, Jane Frazier, Howard Groce, Graham Kash, Julie Lane, Thomas Roberts, Richard Simmers, Barbara Stedman, Steve Stedman (compiler - 2675 Lakeland Dr., Cookeville 38501), Winston Walden. At feeders: Carol Brown, Amy Johnson, Mildred Lassiter, Handley Oswalt, Helen Redding, Michael Redding, Joanne Schaefer, Jan Tate, Catherine Walden, Carrel Warren.

CHATTANOOGA - 19 Dec.; 0730-1800; partly cloudy; temp. 35-59F; wind S, 0-10 mph; 26 observers in 12 parties; 96.75 party hours (53 on foot; 43.75 by car) plus 11.5 owling; 590.5 party miles (43.5 on foot; 547 by car) plus 42 owling; 97 species; 127,413 individuals. Details submitted for Iceland Gull (JH, DJ, m.ob), and swift sp. Edith Bromley, Mary Lynn Buttram, Kevin Calhoon, Louise Cash, Brainerd Cooper, Bob Crawford, Pat Crowe, Ken Dubke, Lil Dubke, Paul Harris, John Henderson (compiler - 7323 Fairington Cl., Hixon 37343), Daniel Jacobson, Elena Killian, Johnnie Sue Lyons, Michael McMahan, Dave Mullican, Tom Patton, Don Ritzhaupt, Sukie Ritzhaupt, Tommie Rogers, Robin Rudd, Clay Senneker, Burney Tompkins, Dan Williams, Libby Wolfe, David Vogt.

KNOXVILLE - 19 Dec.; 0715-1745; cloudy; temp. 31-54F; wind variable, 0-6 mph; 28 observers in 10-13 parties plus 1 at feeder; 86.8 party hours (54.8 on foot, 32 by car) plus 3.75 owling and 8 at feeder; 377.5 party miles (34 on foot, 343.5 by car) plus 6 owling; 77 species; 9,049 individuals. Andrew Arrange, Jane Arrange, Mike Baltz, Jane Beintema, Frank Bills, Sharon Bostick, Bob Collier, Marcia Davis, Barbara Finney, Jim Finney, Mary French, Louise Fuller, Bryce Gilmer, Paul Hartigan, Audrey Hoff (compiler - 4523 McCloud Rd., Knoxville 37938), Tom Howe, David Howell, Susan Hoyle, Tony Koella, James Mason, Matt Mathiesen, Charles Nicholson, Holly Overton, Martha Rudolph, Boyd Sharp, Mary Trice, Craig Walker, Corwin Witt.

GREAT SMOKY MOUNTAINS NATIONAL PARK - 3 Jan.; 0615-1830; partly cloudy with heavy fog at high elevations; temp. 36-62F; wind variable, 0-10 mph, up to 40 mph at high elevations; 18 observers in 9 parties; 64.5 party hours (43.25 on foot, 21.25 by car); 288 party miles (50 on foot, 238 by car); 68 species; 3,027 individuals. Of note are Ring-billed Gull (TK), Great Crested Flycatcher (MG, MH), House Wren (MG, MH), Palm Warbler (MG,MH), and Chipping Sparrow (GE). The chickadees were of both species. Jane Beintema, Howard Chitwood, Carol Coleman, Gene Coleman, Gwynn Evans, Maurice Grigsby, Mary Halliday, Carol Haslem, Tony Koella, Agnes Marshall, Mack Marshall, Charles Nicholson, Bob O'Connor, Holly Overton, Truett Patterson, Boyd Sharp, Lilian Smathers, Eileen Wilson. Compiler - Don DeFoe, GSMNP, Gatlinburg 37738.

GREENEVILLE - 2 Jan.; 0700-1830; mostly cloudy; temp. 32-52F; wind E, 5 mph; 21 observers in 10 parties, plus 3 at feeders; 64.75 party hours (23 on foot, 23.5 by car, 3 by boat) plus15.25 at feeders; 275 party miles (16.5 on foot, 256 by car, 2.5 by boat); 64 species; 8,977 individuals. Denise Ashworth, Orland Britton, Phine Britton, Cynthia Cragin, Herb Cragin, Ann Gaut, King Gaut, Margaret Gaut, Juanita Heckart, Lenard Heckart, Barbara Holt, Carrie Holt, Henrietta Holt, Jim Holt (compiler - 311 Colonial Cl., Greeneville 37743), Alice Loftin, Don Miller, Daniel J. Nieves, Richard Nevius, Willie Ruth Nevius, Doug Ratledge, Helen Reed, Helen Spees, Royal Spees, Virginia Williams.

BRISTOL - 26 Dec.; 0730-1830; clear to cloudy by PM; temp. 27-38F; wind NE, 5 mph; 18 observers in 7 parties; 61.5 party hours (30 on foot, 31.5 by car) plus 4 owling; 532 party miles (17 on foot, 515 by car) plus 38 owling; 80 species; 9,519 individuals. Details submitted on Golden Eagle (KH); highest number species ever for count. Fred Alsop, Wallace Coffey, Catherine Cummings, Jane Fleenor, Bert Hale, Ken Hale, Loraine Hale, Ron Harrington, Lloyd Jones, Rick Knight, Jeff Larson, Tom

Laughlin, Richard Lewis (compiler - 407 V.I. Ranch Rd., Bristol 37620), Vickie Lewis, Alice Nair, Bob Quillen, Randy Smith, Ramsey White.

ELIZABETHTON - 20 Dec.; 0600-1845; heavy to light rain, with fog at high elevations in AM, overcast in PM; wind light; temp. 34-50F; 20 observers in 5 parties; 45 party hours (14 on foot, 31 by car) plus 1.5 owling; 374 party miles (7 on foot, 367 by car) plus 18 owling; 67 species; 5,282 individuals. Fred Alsop, Mark Barb, Dave Blatchly, James Brooks, Wallace Coffey, Patricia Countiss, Brian Cross, Danny Huffine, Lloyd Jones, Rick Knight (compiler - 804 N. Hills Dr., Johnson City 37604), Chad Lewis, Rad Mayfield, Tom McNeil, Bob Quillen, Stan Strickland, Glenn Swofford, Jimmy Watkins, Jim Wayland, Shirley Wayland, Jennifer Wilson.

ROAN MOUNTAIN - 18 Dec.; 0600-1700; partly cloudy; wind light; temp. 18-40F; 0 -5 in. snow cover above 4000 ft. elevation; 7 observers in 3 parties; 27 party hours (11 on foot, 16 by car) plus 2 owling; 157 party miles (10 on foot, 147 by car) plus 6 owling; 47 species; 1,312 individuals. Fred Alsop, Brian Cross, Rick Knight (compiler - 804 N. Hills Dr., Johnson City 37604), Tom McNeil, Stan Strickland, Gary Wallace, Shirley Wayland.

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THE SEASON

ROBERT P. FORD, Editor

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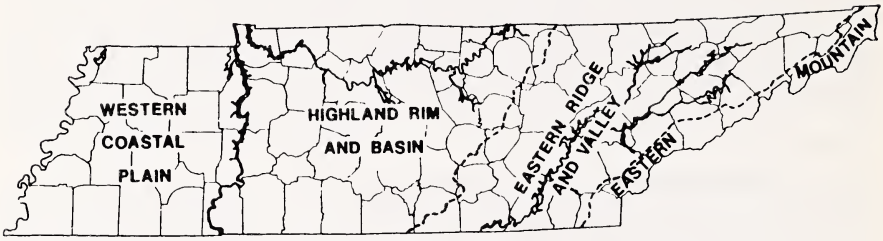

FALL MIGRATION: 1 AUGUST-30 NOVEMBER 1992

Weather for the fall season was relatively normal across the state, with no notable differences from the average. The general patterns of bird occurrence were also about average. Observers this season documented a few early migrants, but few other differences for our "regular" birds.

However, outstanding rare birds did occur this season. A new state record occurred in west Tennessee, a Sharp-tailed Sandpiper. This bird could easily claim to be the most watched bird of the season, as it stayed at the Earth Complex while people traveled from far distances for observations. Other rarities include a Swallow-tailed Kite, a Hudsonian Godwit, and an Eurasian Wigeon observed. The Cumberland Plateau and Ridge and Valley Region seemed to have an especially productive season for rare birds. More details are provided there, as well as in the reports of other regional compilers.

Abbreviations used in this report include: ad-adult; b-banded; EOP-end of period; ers-earliest sighting this season; et al.-and others; f-female; fide-reported by; lrs-latest sighting this season; m-male; max-maximum number recorded in one day; m.ob.-multiple observers; ph-photo; yg-young; *-documentation submitted.

WESTERN COASTAL PLAIN REGION — The fall season for west Tennessee was representative for the area and the expected species count, particularly along the Mississippi River. The temperatures and rainfall amounts were moderate for this time of year. Warbler migration seemed early based on several early date records. Some rare sightings were made in and around The EARTH Complex (TEC) in Shelby County and Island 13 in Lake County. The EARTH Complex was a resting site for a Willet, a Hudsonian Godwit, and the Common Ground-Dove. The Sharp-tailed Sandpiper stayed about a week and is a new state bird. Greater Scaup and Oldsquaw were seen at the EARTH Complex and American White Pelicans arrived early in Dyer and Lake counties. Among uncommon raptors, members of MTOS observed both a Merlin and a Prairie Falcon this season.

Grebe-Duck: Horned Grebe: 21 Nov (8) Is 13 (WGC). Double-crested Cormorant: 2 Aug-26 Nov (145 max) Lake Co.; 12 Sep-EOP (75 max) Dyer Co. (WGC); 25 Oct (31) Shelby For S P (CHB, HBD). AMERICAN WHITE PELICAN: 19 Aug-11 Oct (200

max) Is 13; 11 Sep-7 Nov (425 max) Heloise, Dyer Co. (WGC), not usually seen until mid-September; 15 Oct (250) mile 875 Mississippi River, Lake Co. (JPR); 19 Nov (100+) Crutcher Lake, Lauderdale Co. (Farris Myers). Great Blue Heron, Great Egret (50 max), Snowy Egret (60 max), Little Blue Heron, Cattle Egret (500 max), Green Heron were reported in Dyer and Lake Cos. along the Mississippi River floodplain. Little Blue Heron: 7 Nov (1) Dyer Co. (WGC), late west TN. Black-crowned Night-Heron: 6 Aug (4 ad), 13 Sep (1 ad) Dyer Co. (WGC). Greater White-fronted Goose: 9 Oct (70) Is 13 (WGC). Green-winged Teal: 24 Aug (1)-EOP (34 max) Dyer Co.; 30 Sep (15) Lake Co. (WGC); 30 Sep (2) Shelby Farms (MLG). Northern Pintail: 30 Aug (7) Is 13 (WGC, MLB, m.ob.). Blue-winged Teal: 30 Aug (157 max) Lake Co., (200) Dyer Co. (WGC). Northern Shoveler: 30 Aug (3) Is 13, 11 Sep (1) Dyer Co. (WGC); 30 Sep (1) Shelby Farms (MLG). Gadwall: 30 Aug (9) Is 13 (WGC, m.ob.). American Wigeon: 3 Sep (2) Is 13, 12 Sep (1) Dyer Co. (WGC). Ring-necked Duck: 30 Sep (4) Dyer Co. (WGC). GREATER SCAUP: 15 Nov (2) TEC (VBR, CHB, DoM, MGW); 17 Nov (2) TEC (MLG). OLDSQUAW: 15-22 Nov (1) TEC (DoM, MGW, VBR, CHB). Ruddy Duck: 6 Oct (66) Dyer Co., 24 Oct (300) Champy Pocket, Rlft L (WGC).

Osprey-Crane: Osprey: 24 Aug/2-30 Sep (1) Is 13 (WGC, MLB, m.ob); 6/27 Sep (1) TEC (VBR, DoM, CHB, MGW), 12 Sep/9 Oct (1) Dyer Co. (WGC). Bald Eagle: 6-29 Aug (2 ad) Lower Blue Basin, Rlft L, 6 Aug (1 ad) Upper Blue Basin, Rlft L, 11 Aug (1 ad) Big Levee, Lake Co. (WGC); 30 Aug (2 im) Is 13 (WGC, MLB, m.ob.); 27 Sep-6 Oct (4 ad, 1 im) Air Park, Rlft L, 10 Oct (2 im) Dyer Co. (WGC); 8 Nov (1 ad) Is 13 (WGC). Northern Harrier: 19/29 Aug (1 im) Lake Co., 19 Aug-16 Sep (4 ad, 1 im) Dyer Co. (WGC). Sharp-shinned Hawk: 8 Sept (1) Bartlett, Shelby Co. (OKM); 28 Oct (1) Shelby For S P (MTOS). Cooper's Hawk: 30 Aug (1) Burnt Wds (WGC); 13 Sep/4 Oct (1) TEC (MTOS); 30 Nov (1) Shelby Farms (MLG). Broad-winged Hawk: 14-28 Sep (1-3) Memphis Zoo (OKM); 27 Sep (16) TEC (CHB, DoM, MGW, Jack Harrell, Sue B. Kelly). MERLIN: 3 Sep (1) Is 13 (WGC); 19 Sep (1) TEC (MTOS). Peregrine Falcon: 8 Sep (1) downtown Memphis (Henry Turley); 23 Sep (2) Mile 749 Mississippi River, Shelby Co. (JPR); 13-19 Sep (1-2) TEC (MTOS); 11 Oct (1) Dyer Co.; 9 Oct-EOP (2) Lake Co. (WGC, DLW). PRAIRIE FALCON: 13 Sep (1) TEC (*GRP, JBP, B.Bean, Ginger and Robert Ilardi, TMI, Susan McWhirter, Kate Gooch); 28 Nov (1) Shelby Farms (*MLG). Sandhill Crane: 14 Oct (1 ad) Dyer Co. (WGC).

Shorebirds: Many observers (NARS, MTOS, Peter Alfonso, CHB, Bob Foehring, RPF, MLG, Van Harris, DoM, GRP, JBP, JPR, VBR, DLW, JEW, MGW) submitted observations from the sludge lagoons at The EARTH COMPLEX (TEC). Specific information about sightings can be obtained from the Season's regional compiler. Black-bellied Plover: 15/16 Aug (1) Burnt Wds (WGC); 2 Sep/8 Nov (7 max) TEC (MLG, CHB, DoM, MGW); 12 Sep-11 Nov (2) Is 13 (WGC); 14 Oct-8 Nov (12) Dyer Co. (WGC); 29 Nov (1) TEC (DoM, MGW). American Golden-Plover: 13 Sep-18 Oct (8 max) TEC. Semipalmated Plover: 1 Aug-8 Nov (4 max) Dyer Co., 6 Aug-10 Oct (12 max) Lake Co. (WGC, RPF). Piping Plover: 13/17 Sep (1) Is 13 (WGC, RPF). Black-necked Stilt: 6-28 Aug (16 ad, 8 yg) TEC; 22 Sep (1) Jct 103 and Great River Rd, Dyer Co. (WGC). Greater Yellowlegs: 1 Aug-12 Nov (max) Dyer Co. (WGC); 12 Aug-15 Nov (27 max) TEC; 8 Sep-8 Nov (5) Is 13 (WGC). Lesser Yellowlegs: 1 Aug-30 Sep (100 max) Dyer Co., 5 Oct (41 max) Lake Co. (WGC); 2 Aug-8 Nov (124 max) TEC. Solitary Sandpiper: 1 Aug-16 Sep (2) Dyer Co. (WGC); 2 Aug (37 max) TEC. WIL LET: 1/7 Sep (1) TEC (MLG, CHB, MGW, VBR). Spotted Sandpiper: 1 Aug-1 Nov (7 max)

Dyer Co., 2 Aug-2 Sep (6 max) Lake Co. (WGC); 2 Aug-2 Sep (5 max) TEC. HUDSONIAN GODWIT: 12 Sep (1) TEC (MLG), fourth west TN record. Ruddy Turnstone: 2 Sep (1) Is 13 (WGC); 8 Aug-2/19 Sep (1) TEC; 11 Sep (2) Pace Point, Benton Co. (DFV, KC). RED KNOT: 2/21 Sep Is 13 (WGC); 3 Sep (1) Shelby Farms (MLG), fourth Shelby Co. record. Sanderling: 19 Aug-11 Nov (19 max) Is 13 (WGC, DLW); 22 Nov (1) Is 13 (WGC), late west TN; 23 Aug/4-18 Oct (7 max) TEC. Semipalmated Sandpiper: 2 Aug-15 Nov (200 max) TEC. Western Sandpiper: 29 Aug-2 Sep (2) Is 13, 17 Nov (1) Dyer Co. (WGC); 3 Aug/30 Sep (6/1) Shelby Farms (MLG); 2 Aug-EOP (27) TEC, 2 Sep (60 max) TEC (MLG). Least Sandpiper: 2 Aug-29 Nov (2500 max) TEC; 2 Aug-8 Nov (160 max) Dyer Co. (WGC). White-rumped Sandpiper: 1 Aug (3) Shelby Farms (MLG); 13/19 Sep (1) TEC; 7 Nov (1) Is 13 (WGC), late west TN. Baird's Sandpiper: 3 Sept-11 Nov (10 max) Is 13 (WGC, DLW, Terry Witt, David McCarroll); 21 Nov (1) Dyer Co., 12-22 Nov (4-1) Is 13 (WGC), late west TN; 28/15 Nov (4 max) TEC. Pectoral Sandpiper: 1 Aug-2 Nov (17 max) Dyer Co.; 3 Sep-7 Nov (15 max) Lake Co. (WGC); 2 Aug-8 Nov (2050 max) TEC. SHARP-TAILED SANDPIPER: 12-19 Sep (1) TEC (*Jeff R. Wilson, m.ob.), first state record, details submitted to TRBC. Dunlin: 21/28 Aug (2 max) TEC, early west TN; 11/18 Oct (23 max) TEC; 11 Oct/11 Nov (22) Is 13; 14 Oct-21 Nov (57 max) Dyer Co. (WGC). Stilt Sandpiper: 6 Sep (3) Shelby Farms (MLG, MGW); 30 Sep-15 Oct (14 max) Dyer Co. (WGC); 2 Aug-18 Oct (25 max) TEC. Buff-breasted Sandpiper: 29 Aug-17 Sep (1) Is 13 (WGC); 6 Aug (1) Shelby Farms (MLG, MGW); 13/19 Sep (1) TEC. Short-billed Dowitcher: 3 Aug/7 Sep (7/1) Shelby Farms (MLG, MGW); 15 Aug-18 Oct (6) TEC; 21 Oct (1) mile 664 Mississippi River (JPR). Long-billed Dowitcher: 3 Aug (1) Shelby Farms (MLG, MGW); 7 Sep (3) TEC. Common Snipe: 13 Sep-EOP (39) TEC; 25 Sep (2) Dyer Co. (WGC). Wilson's Phalarope: 28 Aug/2-13 Sep (1-3) TEC.

Gull-Shrike: Bonaparte's Gull: 25-27 Nov (4 max) Shelby Farms (MLG,); 26 Nov (17) Rlft L (MLG). Franklin's Gull: 7 Nov (1) Shelby Farms (WPP, m.ob.). Caspian Tern: 3 Sep (2) Is 13 (WGC); 5 Sep (4) Mississippi River (MLG); 7 Sep (1) Shelby Farms (MLG). Forster's Tern: 7 Sep (1) Is 13 (WGC). Black Tern: 2 Aug (10) Spillway, Rlft L, Obion Co. (WGC); 8/15 Aug (1) TEC; 3 Sep (7) Is 13 (WGC); 5/7 Sep (6) Shelby Farms (MLG, WPP, RWP). COMMON GROUND-DOVE: 27 Sep (1) TEC (DoM). Common Nighthawk: 28 Aug (65+) Collierville, Shelby Co. (235+) Saulsbury, Hardeman Co. (JEW, MGW); 1 Sep (200) Memphis Zoo (OKM); 4 Sep (30) Shelby Farms (RWP); 4 Sep (9) Memphis (JBP, GRP); 25 Oct (5) northwest Shelby Co. (JPR). OLIVE-SIDED FLYCATCHER: 29 Aug (1) Long Point, Lake Co. (WGC); 16 Sep (1) Shelby For S P (HBD, Selma Lewis, BHW, CHB, VBR). YELLOW-BELLIED FLYCATCHER: 5/7 Sep (1) Shelby Farms (RWP); 9/13 Sep (1) Shelby For S P (RWP); 12 Sep (1) Germantown, Shelby Co. (MLG). WESTERN KINGBIRD: 29 Aug (1) Phillipy, Lake Co. (WGC, MLB, m.ob.). Tree Swallow: 29 Nov (1) Shelby Farms (VBR, Gaynell Perry, Ted Perry), late Shelby Co. and west TN. Bank Swallow: 2 Sep (600 max) Is 13 (WGC). Cliff Swallow: 11 Sep (200+) Dyer Co. (WGC). Fish Crow: 28 Aug/29 Sep (65/33) Memphis Zoo (OKM), 19/20 Oct (500 max) Dyer Co. (WGC). Bewick's Wren: 20 Nov (2) Shelby Farms (Richard Conners, TMI). House Wren: 17 Oct (1) Shelby Farms (CHB); 25/30 Nov (1) Shelby Farms (MLG, VBR). Gray-cheeked Thrush: 9 Sep (1) Shelby For S P (RWP, WPP). American Pipit: 22 Oct (20+) Shelby Farms (VBR); 17 Nov (1) Is 13 (WGC); 25/28 Nov (1) Shelby Farms (MLG, VBR), pink legs may suggest the subspecies *A.r. japonicus*, details submitted. Loggerhead Shrike: 30 Aug (11 max) Lake Co., (2) Dyer Co. (WGC).

Vireo-Blackbird: Solitary Vireo: 9/13 Sep (1) Shelby For S P (RWP), early Shelby Co. and west TN. Tennessee Warbler: 29 Aug (2) Big Hill Pd (JEW, MGW). Orange-crowned Warbler: 29 Aug (1) Big Hill Pd (JEW, MGW), early west TN. Palm Warbler: 29 Aug (1) Big Hill Pd (JEW, MGW), early west TN. Northern Waterthrush: 9 Sep (1) Shelby For S P (RWP, WPP); 27 Sep (1) TEC (DoM, MGW, CHB). Mourning Warbler: 24 Sep (1) Shelby Farms (CHB). Wilson's Warbler: 6/7 Sep (1/2) Shelby Farms (MGW). Vesper Sparrow: 26 Nov (1) Shelby Farms (MLG). Lark Sparrow: 27 Sep (1) TEC (DoM, CHB, MGW). Fox Sparrow: 14 Oct (2) Shelby Farms (RWP), early Shelby Co. and west TN. Lincoln's Sparrow: 17/25 Oct (2) Shelby Farms (CHB); 15 Nov (1) TEC. White-crowned Sparrow: 21/25 Oct (12) Shelby Farms (CHB, HBD, Selma Lewis, BHW). Smith's Longspur: 15/29 Nov (1+) TEC (VBR, MGW, DoM, CHB, MLG). Western Meadowlark: 7 Nov (1) Shelby Farms (MGW); 28 Nov (1) TEC (Tommie Rogers). Brewer's Blackbird: 26 Nov (8-10) Shelby Farms (MLG).

Locations: Big Hill Pd-Big Hill Pond State Natural Area, McNairy Co.; Burnt Wds-Burnt Woods Road, Reelfoot, Lake Co.; Is 13- Island 13, Joe Echles Towhead, Lake Co.; Rlft L-Reelfoot Lake, Lake and Obion Cos.; Shelby Farms-Shelby Farm was Penal Farm, Shelby Co.; Shelby For S P-Shelby Forest State Park, Shelby Co.; TEC-The EARTH COMPLEX was Ensley Bottoms, Shelby Co.

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HIGHLAND RIM AND BASIN REGION — This fall Nashville had normal rainfall on average, with about normal precipitation in August and September, one inch below normal in October and one inch above in November. Temperatures were about 3.5 degrees F below normal in August, 1.5 degrees F below in September and about normal for the remainder of the period.

The outstanding bird sightings of the period were the Eurasian Wigeon at Columbia, one of few Middle Tennessee records, and the Rufous Hummingbird, possibly the first record for an adult male of this species in the area. Other unusual sightings were the Greater White-fronted Goose, "Krider's" Red-tailed Hawk and a flock of Bobolink, rare here in the fall. Common Nighthawks were observed daily in Nashville through the end of November. The tern migration in early September had above normal numbers of several species.

Bittern-Crane: American Bittern: 13 Sep (1) Mon Pd (OBL). Great Egret: 22 Aug (1) Hillsb (DLD); 6 Sep (8) Arrow Lake, Maury Co. (OBL, ARL). Little Blue Heron: 8 Aug (1 im) Hillsb. (DLD). Cattle Egret: 15 Aug (1) Goodlettsville, Davidson Co. (W.W. Hoffman, *M.S. Hackney). Greater White-fronted Goose: 21/25 Nov (2) Mon Pd (WNJ). EURASIAN WIGEON: 21 Oct (2, m & f) Mon Pd (*Allyn Lay, OBL). Common Goldeneye: 13 Nov (30) Rad L (MLM), ers. Common Merganser: 19 Nov (5) Woods Res. (RWL), only report. Osprey: 15 Aug (1) Woods Res. (RWL), only report. Bald Eagle: 8 Nov (1 ad) Normandy L. (CWP, JHP); 14 Nov (1 ad) Maury Co. (W.F. Rainey); 26 Nov (1 im) Woods Res. (DLD). Cooper's Hawk: 14 Sep (1) Pen Bend (MLM), only report. "Krider's" Red-tailed Hawk: 25 Oct (1) Maury Co. (RM); 15 Nov (1) Putnam Co. (*Candy Swan). Rough-legged Hawk: 7 Nov (1) Maury Co. (OBL, WNJ). Virginia Rail: 28 Nov (1) Mon Pd (Allyn Lay, OBL, WNJ). Sora: 28 Nov (1) Mon Pd (Allyn Lay, OBL, WNJ). Sandhill Crane: 25 Oct (27) Monterey, Putnam Co. (*Candy Swan, Reed Cripps); (40) Macedonia, White Co. (*RWS).

Sandpiper-Flycatcher: Spotted Sandpiper: 3 Aug (1) Fate San (MLM). Dunlin: 14 Nov (3) Mon Pd (NTOS). Bonaparte's Gull: 26 Oct (2) Fate San (MLM), ers. Caspian Tern: 29 Aug (4) Woods Res. (DLD); 4 Sep (18) Rad L (MLM), unusual number for Rad L. Common Tern: 5 Sep (20) Woods Res. (DLD), only report. Black Tern: 30 Aug (3) Woods Res. (DLD), only report. Common Nighthawk: 1-6 Sep, large flights, up to 1000 birds over Nashville (m.ob.); 8 Nov-EOP (3) Nashville (*PGL), observed regularly on every warm evening. Chimney Swift: 26 Oct (1) Fate San (MLM), lrs. RUFOUS HUMMINGBIRD: 5 Nov-EOP (1 ad m) Manchester, Coffee Co. (DLD, ph). Ruby-throated Hummingbird: 14 Oct (1) Rad L (JCA), lrs. Red-headed Woodpecker: 25 Oct (2, ad & im) Booger Swamp, Putnam Co. (*RWS), only report. Olive-sided Flycatcher: 26 Sep (1) War Pk (*PGL), only report. Eastern Wood-Pewee: 6 Oct (1 b) Lewis Co. (GRM). Acadian Flycatcher: 27 Sep (1 b) Lewis Co. (GRM). Great Crested Flycatcher: 21 Sep (1) Rad L (MLM), lrs.

Swallow-Siskin: Bank Swallow: 15 Aug (100) Woods Res. (RWL), larger than usual number. Brown Creeper: 13 Oct (1) Rad L (MLM), ers. Winter Wren: 15 Nov (3 singing) Rad L (JCA). Golden-crowned Kinglet: 13 Oct (1) Rad L (MLM), ers. Ruby-crowned Kinglet: 22 Sept (1) Nashville. (PGL), ers. Gray-cheeked Thrush: 6 Oct (1 b) Lewis Co. (GRM). Swainson's Thrush: 12 Sep (1) Nashville (JCA), ers. Hermit Thrush: 15 Oct (1) Lewis Co. (GRM), ers. Wood Thrush: 12 Oct (1 b) Lewis Co. (GRM). Gray Catbird: 14 Oct (1) Rad L (JCA), lrs. Warbling Vireo: 26 Sep (1) War Pk (PGL), lrs. Philadelphia Vireo: 23 Sep (1) Rad L (JCA); 26 Sep (3) War Pk (PGL). Blue-winged Warbler: 26 Sep (1) Nashville (PGL), lrs. Golden-winged Warbler: 26 Aug (1) Ovoca L. (MDH); 29 Aug (2) AEDC (DLD); 1 Sep (1) Nashville (JCA), more than usual early sightings. Tennessee Warbler: 27 Oct (1) Pen Bend (MLM), lrs. Orange-crowned Warbler: 13 Sep (1) Ovoca L. (*MDH), ers. Chestnut-sided Warbler: 26 Aug (1) Nashville (JCA), ers.; 14 Oct (1) Rad L (JCA), lrs. Magnolia Warbler: 29 Aug (1) Pen Bend (MLM), ers. Prairie Warbler: 26 Sep (1) War Pk (PGL), lrs. Palm Warbler: 7 Sep (1) Pen Bend (MLM), ers; 8 Nov (1) Rad L (PGL), lrs. Prothonotary Warbler: 19 Sep (1) Pen Bend (MLM), lrs. Mourning Warbler: 29 Aug (1) Nashville (*JCA), only report. Common Yellowthroat: 28 Oct (1) Rad L (MLM), lrs. Wilson's Warbler: 1 Sep (1) Nashville (JCA); 26 Sep (1 ad m) Nashville (PGL), lrs. Rose-breasted Grosbeak: 4 Sep (1) Rad L (MLM), ers; 28 Oct (1) Rad L (MLM), lrs. Savannah Sparrow: 31 Aug (2) Ovoca L. (*MDH), early date. Fox Sparrow: 21 Oct (1 singing) Pen Bend (MLM), ers. Swamp Sparrow: 26 Sep (1) Mon Pd (WNJ), ers. White-throated Sparrow: 1 Oct (1) Pen Bend (MLM), ers. White-crowned Sparrow: 24 Oct (1) Maury Co. (Allyn Lay), ers. Dark-eyed Junco: 15 Oct (1) Nashville (JCA), ers. Bobolink: 27 Sep (12) Rock Island, Warren Co., (Susan McWhirter), unusual for fall. Rusty Blackbird: 15 Nov (1) Pen Bend (MLM), only report. Pine Siskin: 7 Nov (1) Nashville (JCA), only report.

Locations: AEDC-Arnold Engineering Development Center, Franklin Co.; Fate San-Fate Sanders, J.Percy Priest Lake, Rutherford Co.; Hillsb-Hillsboro, Coffee Co.; Mon Pd-Monsanto Ponds, Maury Co.; Normandy L.-Normandy Lake, Coffee Co.; Ovoca L.-Ovoca Lake, Coffee Co.; Pen Bend- Pennington Bend, Davidson Co.; Rad L-Radnor Lake, Davidson Co.; War Pk-Warner Parks, Davidson Co.; Woods Res.-Woods Reservoir, Franklin Co.

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CUMBERLAND PLATEAU/RIDGE AND VALLEY REGION _ This fall was somewhat cooler than most. The months of August, September and October had slightly below average temperatures, while November was near normal. Johnson City recorded the first frost of the season on 30 September. Seasonal precipitation varied considerably, from 18 in. (+3 in.) at Chattanooga to 9.5 in. (-2 in.) at Johnson City. Water levels in some lakes were kept high later into the season than in previous years, covering some shorebird habitat. Loss of much of the milfoil in Chickamauga Lake was blamed, in part, for reduced numbers of waterfowl there.

The quality of birding seemed to be rather good this fall. Numbers of cormorants and Bald Eagles continue to increase. Shorebirds staged a pretty good flight, with the best reports from Kingston Steam Plant and some farm ponds at Limestone in Washington County. For the former location, it was the best season in many. The number of Black Tern reports were up, a good sign for this declining species. The warbler flight was generally described as decent. On the other hand, ducks and boreal species, especially Purple Finch, were in short supply. Reports of Fulvous Whistling-Duck, American Swallow-tailed Kite and Black-headed Grosbeak were remarkable.

The Austin Springs banding station was operated for the thirteenth consecutive autumn. Mist nets were run from 1 September to 10 November, with 452 birds of 40 species banded — about normal.

Loon-Heron: Common Loon: 21 Oct (6) Cher L (RLK), ers. Pied-billed Grebe: 22 Aug (1) Aus Spr (RLK), ers. Horned Grebe: 11 Nov (187) Chick L (KC), max. Double-crested Cormorant: 18 Aug (1) Boone L (RLK); 30 Aug (1) Hmlt. Co.(WGH); 5 Sep-24 Oct (max 38 on 20 Sep) Rkn Bot (JAK); 18 Sep-13 Oct (1-3) Aus Spr (RLK, JT, JW); 24 Sep-10 Oct (14-1) Nol Wat Sct (JBH, Don Holt, Doug Ratledge); 1 Oct-7 Nov (1-6) Sav Bay (KHD, LHD); 25 Oct (12) Douglas L, Jefferson Co. (SMS); 29 Oct (9) Kpt (SMS); 1/14 Nov (16) Nick L (RCS/RJH). Great Egret: 29 Jul-27 Sep (1-2) Lst (RLK et al.); 8 Aug-11 Nov (1-2) Sav Bay (KHD, LHD); 15 Aug-24 Oct (max 18 on 3 Oct) Rkn Bot (JAK); 22 Aug (2) Ktn Stm P (RJH); 1 Sep-7 Oct (1-4) Bra Lev (BGM);5/25 Sep (6/9) Cher L (SMS); 13/24 Sep (1/2) Aus Spr (RLK, JT); 25 Sep (3) Nol Wat Sct (JBH). Little Blue Heron: 1 Aug-26 Sep (2 im) Nol Wat Sct (JBH et al.); 15 Aug-5 Sep (1-6) Rkn Bot (JAK); 9/22 Sept (2/1) Bra Lev (BGM). TRICOLORED HERON: 8 Aug-1 Sep (1) Bra Lev (Mary Lynn Buttram, Tommie Rogers, m.ob.), about 5th Chatt area record. Cattle Egret: 1 Aug-18 Sep (max 200) Hmlt. Co. (DRJ, WGH et al.); 14-17 Oct (1) Aus Spr (RLK, JT, JW). Green Heron: 3 Nov (1) Aus Spr (RLK); 14 Nov (1) Nol Wat Sct (JBH); 18 Nov (1) Hmlt. Co. (Mary Lynn Buttram); lrs. Black-crowned Night-Heron: 1 Aug-29 Sep (max 20) Nol Wat Sct (JBH et al.); 15 Aug-20 Sep (1-3) Rkn Bot (JAK); 22 Aug (2) Ktn Stm P (RJH); thru 27 Sep (1-6) Aus Spr (RLK, JT, JW); 21 Nov (6) Kpt (RLK, JWC et al.). Yellow-crowned Night-Heron: 24 Sep/1 Oct (1 ad/1 im) Sav Bay (KHD, LHD).

Duck-Falcon: FULVOUS WHISTLING-DUCK: 24-26 Nov (9) Amn Marsh (WGH et al.), 3rd Chatt area record, about 8th in state. Snow Goose: 14 Nov (2) Hiwas R (WGH). Green-winged Teal: 27 Jul (1) Lst (JWB), record early in Jhn City area by 3 weeks. American Black Duck: 27 Sep (2) Boone L (Martha Dillenbeck), ers. Blue-winged Teal: 19 Sept (53) Lst (RLK), max. Northern Shoveler: 3 Aug/4-11 Sep (1/3) Lst (BLC/JW et al.), ers. American Wigeon: 15 Sep (1) Kpt (RLK), ers. Canvasback:

8 Nov (1) Wash Co. (DEH); 21 Nov (32) Nick L (RJH). Lesser Scaup: 14 Sep (1) Lst (RLK), record early in Jhn City area by 19 days. Hooded Merganser: 22-23 Aug (2) Ktn Stm P (RJH, WGH): 14 Nov (85) Hiwas R (WGH); 22 Nov (115) Middlebrook L, Bristol (JWC), max. Turkey Vulture: 8 Nov (150) Nol Wat Sct (JBH et al.). AMERICAN SWALLOW-TAILED KITE: 4-16 Aug (2) Rhea Co. (Owen Henderson, m.ob), 3rd southeast Tenn record in 11 years. Bald Eagle: mid Aug (1 ad) Bristol (Karen Musick); 12/19 Oct (1 im/1 ad) Aus Spr (RLK, JT, JW); 1/14 Nov (2 ad/1 im) Nick L (RCS/RJH); 6-9 Nov (1 im) Boone L (FJA, JWN); 14 Nov (3) Hiwas R (WGH); 19 Nov (1 im) Cher L (RLK). Merlin: 28 Aug (1) Ktn Stm P (KC), very early. Peregrine Falcon: 8 Nov (1) Jhn City (BLC).

Rail-Phalarope: King Rail: 26 Nov (1) Amn Marsh (Tommie Rogers), very late date for this seldom reported species. Sora: 16/25 Aug (separate road-kills) Lst (BLC), both early; 11 Oct (1) Chatt (WGH). Black-bellied Plover: 30 Sep-9 Oct (2) Aus Spr (TM, RLK, JT, JW); 3 Oct (2) Rkn Bot (JAK). Semipalmated Plover: 22-23 Aug (8-3) Ktn Stm P (RJH); 30 Aug-30 Sep (1-4) Lst (FJA et al.); 16-18 Sep (1) St. John's Pond, Wash Co. (RLK). Greater Yellowlegs: 9 Nov (1) Aus Spr (RLK), lrs. RED KNOT: 12 Sep (1) Ktn Stm P (WGH). Sanderling: 22-23 Aug (5-1) Ktn Stm P (RJH, WGH). Western Sandpiper: 15 Aug/22 Sep (1) Lst (BLC); 23 Aug (2) Ktn Stm P (WGH). White-rumped Sandpiper: 22 Aug (3) Ktn Stm P (RJH); 30 Aug-2 Sep (1) Lst (RLK et al.). Baird's Sandpiper: 22 Aug (1) Ktn Stm P (RJH). Pectoral Sandpiper: 26 Oct (3) Lst (BLC), lrs. Dunlin: 30 Sep-21 Oct (1-2) Lst (BLC et al.); 19 Oct (2) Sav Bay (KHD, LHD); 20-29 Oct (1-6) Aus Spr (RLK, JT, JW); 14 Nov (25) Hiwas R (WGH). Stilt Sandpiper: 28 Aug-2 Sep (1) Lst (JWB et al.); 30 Sep (1) Lst (BLC). Short-billed Dowitcher: 22 Aug (6) Ktn Stm P (RJH). Common Snipe: 5 Sep (1) Lst (RLK), ers. American Woodcock: 1 Aug (1) Sav Bay (KHD); 27 Oct (1) Aus Spr (RLK); 9 Nov (1) Albany, Greene Co. (Richard Nevius). Wilson's Phalarope: 28 Aug (1) Lst (RLK).

Gull-Hummingbird: Bonaparte's Gull: 28 Oct/22 Nov (4/200) Cher L (RLK/SMS), ers/max. Ring-billed Gull: 24 Sep (1) Aus Spr (RLK, JT), ers. Caspian Tern: 22-23 Aug (3) Ktn Stm P (RJH, WGH); 22 Aug/5 Sep (2/5) Rkn Bot (JAK); 1/5 Sep (1/2) Aus Spr (RLK/GOW). Forster's Tern: 4 Oct (9) Hmlt. Co. (WGH). Black Tern: 1 Aug (2) Hmlt. Co. (DRJ); 14/18 Aug (2/10) Boone L (RLK); 19 Aug (1) Aus Spr (RLK); 23 Aug/5 Sep (9/6) Ktn Stm P (DRJ, WGH/JWB, BLC); 5 Sep (2) Rkn Bot(JAK). Barn Owl: 19/20 Oct (1/2) separate Wash. Co. sites (DEH); thru period (3+) Jhn City (RLK, JWN et al.). Common Nighthawk: 1/19 Sep (450) Jhn City (RLK), max; 31 Oct (3) Chatt (WGH); 12 Nov (3) Knoxville (JAK), lrs. Ruby-throated Hummingbird: thru 17 Oct (1) Jhn City (RLK), lrs.

Flycatcher-Vireo: Olive-sided Flycatcher: 6 Sep (1) Chatt (WGH). Tree Swallow: 1 Nov (1) Nick L (RCS), lrs. Northern Rough-winged Swallow: 7 Oct (1) Aus Spr (RLK), lrs. Bank Swallow: 15-30 Aug (6-25) Lst (BLC, FJA, RLK). Barn Swallow: 7 Oct (1) Aus Spr (RLK, JT, JW), lrs. COMMON RAVEN: 16 Oct (1) Hwy 11-E at Greene-Wash. Co. line (BLC). Brown-headed Nuthatch: 3 Aug (1) Sav Bay (KHD, LHD), new site. House Wren: 9 Nov (1) Wash. Co. (JWB), lrs. Winter Wren: 9 Oct (1 b) Aus Spr (RLK, JT), ers. Sedge Wren: 2 Oct (2) Amn Marsh (WGH); 1 Nov (1) Nick L (RCS). Marsh Wren: 29 Sep/15-16 Oct (1) Aus Spr (RLK); 29 Sep (1) Chatt (WGH); 15 Oct (1) Meadowview Marsh, Sullivan Co. (RLK). American Pipit: 18 Oct (2) Aus Spr (RLK), ers. Solitary Vireo: 13 Nov (1) Jhn City (JWN), lrs.

Warbler-Siskin: Blue-winged Warbler: 24 Aug (1) Wash. Co. (JWB); 18 Sep (1) Hmlt. Co. (WGH); 27 Sep (1) Jhn City (RLK, JWB). Orange-crowned Warbler: 18 Oct (1) Chatt (WGH); 29 Oct (1) Amn Marsh (DFV). Yellow Warbler: 27 Sep (1) Aus Spr (RLK), lrs. Northern Waterthrush: 31 Aug (1) Aus Spr (RLK), ers. Common Yellowthroat: 18 Nov (1) Hmlt. Co. (WGH), lrs. Wilson's Warbler: 16 Aug (1) Hmlt. Co. (WGH), ers. Canada Warbler: 28 Sep (1) Hmlt. Co. (WGH), lrs. BLACK-HEADED GROSBEAK: 19 Sep (1) Raccoon Mtn, Marion Co. (WGH*), 3rd Chatt area record. Vesper Sparrow: 23 Oct (1) Aus Spr (RLK, JW, Pam Lewis); 1 Nov (5) Chatt (WGH). Lark Sparrow: 29 Aug (1) Bra Lev (WGH); 21 Nov (1) Jefferson Co. (JAK). Savannah Sparrow: 30 Aug (1) Lst (FJA), ers. Grasshopper Sparrow: 13 Oct (1) Aus Spr (RLK, JT), lrs. Fox Sparrow: 23 Oct (1) Aus Spr (RLK), ers. Lincoln's Sparrow: 27 Sep-21 Oct (3 b) Aus Spr (RLK, JT); 9 Oct (1) Amn Marsh (KC). Swamp Sparrow: 25 Sep (1) Aus Spr (RLK, JT), ers. White-crowned Sparrow: 6 Oct (1 b) Aus Spr (RLK, JT), ers. Bobolink: 30 Aug-9 Oct (1-6) Chatt (WGH); 5 Sep/7 Oct (21/2) Lst (RLK); 11-28 Sep (1-6) Aus Spr (RLK). Northern Oriole: 13 Sep (1) Chatt (WGH), lrs. Purple Finch: 30 Oct (4) Jhn City (JWN), only report there. Pine Siskin: 23 Oct (2) Aus Spr (RLK); a few small flocks seen at Greeneville in mid-late Nov (Phine Britton).

Locations: Amn Marsh-Amnicola Marsh, Hmltton Co.; Aus Spr-Austin Springs, Washington Co.; Boone L-in Sullivan and Washington Cos.; Bra Lev-Brainerd Levee, Hmltton Co.; Chatt-Chattanooga; Cher L-Cherokee Lake, Hamblen and Hawkins Co. portion; Hmlt. Co.-Hmltton Co.; Hiwas R-Hiwassee River Area, primarily Meigs Co. but also Bradley, McMinn and Rhea Cos.; Jhn City-Johnson City; Kpt-Kingsport: Ktn Stm P-Kingston Steam Plant, Roane Co.; Lst-Limestone, Washington Co.; Nick L-Nickajack Lake, Marion Co.; Nol Wat Sct-Nolichucky Waterfowl Sanctuary, Greene Co.; Rkn Bot-Rankin Bottoms, Cocke Co.; Sav Bay-Savannah Bay, Hmltton Co.; Wash. Co.-Washington Co.

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EASTERN MOUNTAIN REGION — Precipitation for the period was about normal. The remnants of Hurricane Andrew combined with a cold front on 28 August, apparently driving in the Laughing Gulls. A cold front induced a bird kill on 23-24 September; details of this will be published later.

Loon-Duck: Red-throated Loon: 21 Nov (1) Wat L (FJA). Common Loon: 6 Aug (1), 28 Aug (2), 23 Sep (2) Roan Cr (RLK); 30 Aug (1)/18 Sep (3) S Hol L (RPL/BLC); 8 Nov (2) Wat L (GOW); 23 Nov (4) Wat L (RLK); Aug records are early. Pied-billed Grebe: 23 Sep (1) Roan Cr (RLK), ers. Horned Grebe: 22 Nov (1) Wat R (TM); 23 Nov (10) Wat L (RLK); only reports. Double-crested Cormorant: 21 Aug (1) Wat L (BLC, GWS); 28 Aug (1) Roan Cr (RLK); 12 Sep (2) Roan Mt S P (RLK), flying over; 18 Sep (6) S Hol L (BLC); 23 Nov (1) Wat L (RLK). Great Egret: 21 Oct (2) S Hol L (RPL). Little Blue Heron: 16 Aug (1 im) S Hol L (RLK). Black-crowned Night-Heron: 6 Aug (1) Roan Cr (RLK); 16 Aug (1) S Hol L (RLK). American Black Duck: few reports. Gadwall: 20 Sep (1) Erwin, Unicoi Co. (JWB), ers. American Wigeon: 22 Oct (2) Wat R (RLK), ers. Redhead: 27 Sep (1) Wat R (GOW et al.), only report. Ring-necked Duck: 7 Nov (88) Wil L (CFW), max. Greater Scaup: 15 Nov (2) Wil L (TM). Lesser Scaup: 13 Nov (80) S Hol L (BLC), max. Bufflehead: 22 Nov (99) Wil L (TM), max. Hooded Merganser: 28 Aug (1) Roan Cr (RLK), early. Common Merganser: 20 Nov (1) Wat

L (BLC), only report. Red-breasted Merganser: 23 Nov (10) Wat L (RLK). Ruddy Duck: 25 Oct (4) S Hol L (JWC).

Eagle-Swallow: Bald Eagle: 24 Aug (1 ad) Mil Col (Richard Lura); 12 Sep (1 ad) Unaka Mt (RM); 13 Sep (1 ad) Roan Mt (KHD). Broad-winged Hawk: 16 Sep (108) Roan Mt (RLK). Peregrine Falcon: 17 Sep (1) Roan Mt. (GOW). Lesser Yellowlegs: 7-10 Nov (2-1) Great Lakes Pond, Carter Co. (CFW). Sanderling: 28 Aug (1) Wat L (RLK). Dunlin: 7 Nov (6) Great Lakes Pond, Carter Co. (CFW). American Woodcock: 25 Aug (1 b) Unaka Mt. (RM, GRM). LAUGHING GULL: 28 Aug (2) Wat L (RLK). Bonaparte's Gull: 30 Oct (28) S Hol L (BLC); 8 Nov (1) Wat L (GOW); 23 Nov (11) Roan Cr (RLK). Ring-billed Gull: 30 Oct (1) S Hol L (BLC), ers. Caspian Tern: 14 Aug (1) S Hol L (BLC). Forster's Tern: 28 Aug (14) Wat L (RLK). Black Tern: 21 Aug (1) Wat L (BLC, GWS); 28 Aug (2) Wat L (RLK). NORTHERN SAW-WHET OWL: 24 Aug (4 yg in nest box, b) Unaka Mt (RM, GRM, RLK); 13 Sep (1) Roan Mt (GOW); 19 Sep (1 ad) Unaka Mt (JWB, Audrey Hoff). Chuck-will's-widow: 4 Sep (1 calling) Mil Col (FJA), late. Red-headed Woodpecker: 14 Oct (1) Mil Col (GOW); 23 Nov (1) Hampton, Carter Co.(TM). Yellow-bellied Sapsucker: 27 Sep (2) Wil L (GOW, HPL), ers. Great Crested Flycatcher: 27 Sep (1) Wat L (GOW, HPL), lrs. Barn Swallow: 11 Oct (1) Eliz (TM), lrs.

Raven-Siskin: Common Raven: Aug-Oct (2) Mil Col (RM); 18 Aug/19 Sep (1) Hunter, Carter Co.(GOW); 30 Aug (2) S Hol L (RPL); 26 Sep (1) Shady Valley, Johnson Co. (JWN); 4 Oct (2) Hampton, Carter Co.(TM); 11 Oct (1) town of Watuaga, Carter Co.(JWC); 24 Oct (2) Buffalo Mountain, Washington Co. (JWN); 14 Nov (1) S Hol L (BLC); 22 Nov (1) Wil L (TM); 27 Nov (2) Hampton, Carter Co. (RLK); regular on Roan Mt, Unaka Mt, and Big Bald Mountain, Unicoi Co. Tufted Titmouse: 10 Oct (2) Carver's Gap, Roan Mt (JWN), unusual at 5500 ft. elev. Red-breasted Nuthatch: only a few on Roan Mt. and Unaka Mt (RLK, RM). Marsh Wren: 27 Sep (1) Simmerly Creek, Unicoi Co. (RM, JW). Veery: 27 Sep (5) Eliz fall count. Gray-cheeked Thrush: 27 Sep (5) Eliz fall count. Swainson's Thrush: 27 Sep (49) Eliz fall count. American Pipit: 3 Oct (4)/24 Oct (3) Round Bald, Roan Mt (RLK/GOW). Loggerhead Shrike: 13 Sep (1) Eliz (FJA). White-eyed Vireo: 16 Sep (1) Roan Mt (RLK), at 4450 ft. elev., high elev. Yellow-throated Vireo: 16 Sep (1) Roan Mt (RLK), at 5400 ft elev., high elev. Warbling Vireo: 13 Sep (2) Wat R (FJA). Philadelphia Vireo: 27 Sep (2) Roan Mt. (FJA); 3 Oct (1) Roan Mtn. (RLK). Golden-winged Warbler: 27 Sep (4) Roan Mtn St Pk (FJA). Tennessee Warbler: 25 Aug (1) Unaka Mtn. (RM), ers. Blackburnian Warbler: 24 Aug (1) Unaka Mtn. (RLK, RM), ers. Blackpoll Warbler: 27 Sep (1 m) Wil L (GOW, HPL), still in breeding plumage. Northern Waterthrush: 23 Aug (2) Nolichucky River, Unicoi Co. (RM), ers; 16 Sep (1) Roan Mt (RLK), at 4450 ft elev. Mourning Warbler: 27 Sep (1) Roan Mt (TM), at 4450 ft elev; 2 Oct (1) Wil L (BLC). Common Yellowthroat: 7 Nov (1) Mil Col (FJA), lrs. Wilson's Warbler: 12 Sep (1) Roan Mt S P (FJA), only report. Summer Tanager: 16 Sep (1) Roan Mt (RLK), at 5000 ft elev. Vesper Sparrow: 3 Oct (2) Round Bald, Roan Mt. (RLK); 11 Nov (2) S Hol L (RPL). Fox Sparrow: 1 Nov (3) Roan Mt (RM), ers. Lincoln's Sparrow: 27 Sep (2) Roan Mt S P (FJA); 3 Oct (1) Roan Mt S P (RLK); 11 Oct (1) Ripshin L, Carter Co. (TM). White-throated Sparrow: 27 Sep (1) Ripshin L, Carter Co. (FJA), ers. Bobolink: 4 Oct (27) Wat R (TM, Rusty Dunn). Orchard Oriole: 16 Aug (3) S Hol L (RLK), lrs. Northern Oriole: 13 Sep (1) Wat R (FJA), lrs. Purple Finch: 7 Nov (4) Roan Mt (JWN), ers; only one other sighting. Pine Siskin: 14 Nov (8) S Hol L (BLC); 17 Nov (3) Roan Mt (RLK); only reports.

Locations: Eliz-Elizabethton, Carter Co.; Mil Col-Milligan College, Carter Co.; Roan Cr-Roan Creek, Johnson Co.; Roan Mt-Roan Mountain, Carter Co.; Roan Mt S P-Roan Mountain State Park, Carter Co.; S Hol L-South Holston Lake, Sullivan Co.; Unaka Mt-Unaka Mountain, Unicoi Co.; Wat L-Watauga Lake, Carter Co.; Wat R-Watauga River, Carter Co.; Wil L-Wilbur Lake, Carter Co.

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The Migrant, 64 (1): 24, 1993.

RECENT CHANGES IN TAXONOMY

The Thirty-ninth Supplement to the A.O.U. Check-list (*Auk* 110: 675-682, 1993) reports the most recent changes in taxonomy and nomenclature adopted for North American birds. Only three changes affect Tennessee ornithology. These will be incorporated into ***The Migrant*** beginning with this issue.

Green-backed Heron reverts to the previous common and scientific names Green Heron (*Butorides virescens*). This form and a primarily South American form are allopatric during breeding, with no evidence of intergrades.

Black-shouldered Kite, a vagrant to Tennessee, reverts to the previous common and scientific names White-tailed Kite (*Elanus leucurus*). This New World form is split from the Old World form(s).

Lesser Golden-Plover is split into American Golden-Plover (*Pluvialis dominica*), occurring widely in North America, and Pacific Golden-Plover (*P. fulva*), whose North American range is generally confined to the West Coast. Both forms breed in Alaska, but show differences in behavior and habitat.

RICHARD L. KNIGHT, Asst. Editor

INSTRUCTIONS TO AUTHORS

The Migrant records observations and studies of birds in Tennessee and adjacent areas. Most articles are written by members of the Tennessee Ornithological Society.

SUBMISSIONS: The original and, if feasible, two copies of the manuscript should be sent to the Editor: J. Wallace Coffey, 100 Bellebrook Dr., Bristol, TN 37620. Manuscripts that have been published in other journals should not be submitted.

MATERIAL: The subject matter should relate to some phase of Tennessee ornithology. It should be original, factual, concise, and scientifically accurate.

STYLE: Both articles and short notes are solicited; recent issues of *The Migrant* should be used as a guide in the preparation of manuscripts. Where more detail is needed, reference should be made to the *CBE Style Manual*; this book is available at many public libraries and from the Council of Biology Editors, Inc., 111 East Wacker Drive, Suite 3200, Chicago, IL 60601-4298.

COPY: Manuscripts should be typed *double spaced* on 8.5 x 11" paper with adequate margins for editorial notations. Tables should be prepared on separate sheets with appropriate title and column headings. Photographs intended for reproduction should be sharp with good contrast on glossy white paper; black and white photographs will usually reproduce better than color photographs. Weights, measurements, and distances should be in metric units. Dates should be in "continental" form (e.g., 16 March 1992). Use the 24-hour clock (e.g., 0500 or 1900).

NOMENCLATURE: The scientific name of a species should be given after the first use of the full common name in the text. The scientific name should be underlined and in parentheses. Names should follow the A.O.U. Check-list of North American Birds (sixth edition, 1983, or supplements).

TITLE: The title should be concise, specific, and descriptive.

ABSTRACT: Manuscripts of five or more typed pages should include an abstract. The abstract should be less than 5% of the length of the manuscript. It should include a brief explanation of why the research was done, the major results, and why the results are important.

LITERATURE CITED: List all literature citations in a Literature Cited section at the end of the text. Text citations should include the author and year.

IDENTIFICATION: Manuscripts including reports of rare or unusual species or of species at atypical times should be submitted to the TOS Bird Records Committee. Verifying evidence should include: date, time, light and weather conditions, exact location, habitat, optical equipment, distance, behavior of bird, comparison with other similar species, characteristic markings, experience of observer, other observers verifying the identification, and reference works consulted.

REPRINTS: Reprints are available to authors on request. Billing to authors will be through the TOS Treasurer.

SEASON REPORTS: Observations that are to be considered for publication in The Season section should be mailed to the appropriate Regional Compiler. Consult a recent issue of *The Migrant* for the name and address of the compilers.

CONTENTS

FIRST DOCUMENTED OCCURRENCE OF BLACK-CHINNED HUMMINGBIRD IN TENNESSEE
Robert R. Sargent and Martha B. Sargent 1

PRAIRIE FALCON IN SHELBY COUNTY
George R. Payne, Jr. and Jeanne B. Payne 4

THE 1992 CHRISTMAS BIRD COUNT
Susan N. McWhirter 5

THE SEASON — FALL MIGRATION 1992
Robert P. Ford 14

WESTERN COASTAL PLAIN REGION
Martha G. Waldron 14

HIGHLAND RIM AND BASIN REGION
P. Galen Lenhert 17

CUMBERLAND PLATEAU/RIDGE AND VALLEY REGION
Richard L. Knight 19

EASTERN MOUNTAIN REGION
Richard P. Lewis 21

OBSERVERS 23

RECENT CHANGES IN TAXONOMY
Richard L. Knight 24

NOTICE TO RESEARCHERS

Several references in this issue include dates later than the cover date of March 1993. The journal is behind schedule and it has been necessary to use material which, in some cases, was submitted and accepted later in the year.

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The Tennessee Ornithological Society and
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